

Claims

1. Mobile terminal device having a camera system comprising a lens module and at least one means for changing optical properties being adapted to cooperate with said lens module of said camera system.
2. Mobile terminal device according to claim 1, wherein said means for changing optical properties is detachably connected with said camera system.
3. Mobile terminal device according to claim 1, wherein a part of a housing comprises said means for changing optical properties.
4. Mobile terminal device according to claim 3, wherein said part of a housing comprising said means for changing optical properties is detachably connected to said camera system.
5. Mobile terminal device according to claim 3, wherein said part of said housing integrates an assembly of a plurality of means for changing optical properties each being adapted to cooperate with said lens module of said camera system, wherein said assembly can be changed upon actuation.

6. Mobile terminal device according to claim 1, wherein said means for changing optical properties is at least of the following: lens, objective comprising several lenses, at least one filter, and a diffractive optical element.
7. Mobile terminal device according to claim 1, wherein said camera system is built-in said mobile terminal device.
8. Mobile terminal device according to claim 1, wherein said camera system is attached to said mobile terminal device as an external module.
9. Mobile terminal device according to claim 1, wherein said mobile terminal device is a mobile phone.
10. Part of a housing comprising at least one means for changing optical properties of a lens module of a camera system being adapted to cooperate with said lens module of said camera system of a mobile terminal device.
11. Part of a housing according to claim 10, wherein said means for changing optical properties is detachably connected.
12. Part of a housing according to claim 10, wherein said part of a housing is detachably connected to a lens module or a camera system.

13. Part of a housing according to claim 10, wherein said part of a housing integrates an assembly of a plurality of means for changing optical properties, wherein said assembly of lenses can be changed upon actuation.
14. Part of a housing according to claim 10, wherein said means for changing optical properties is at least one of the following: lens, an objective comprising several lenses, at least one filter, and a diffractive optical element.
15. Part of a housing according to claim 10, wherein said housing is a housing of said mobile terminal device integrating said camera system.
16. Part of a housing according to claim 10, wherein said housing is a housing of an external camera system attached to said mobile terminal device as an external module.
17. Part of a housing according to claim 10, wherein said mobile terminal device is a mobile phone.
18. Means for changing optical properties adapted to cooperate with a lens module of a camera system, wherein a mobile terminal device comprises said camera system.

19. Means for changing optical properties according to claim 18, wherein said means for changing optical properties are detachably connected to a lens module or a camera system.
20. Means for changing optical properties according to claim 18, wherein a part of a housing comprises said means for changing optical properties.
21. Means for changing optical properties according to claim 20, wherein said part of a housing comprising said means for changing optical properties is detachably connected with said camera system.
22. Means for changing optical properties according to claim 18, wherein said means for changing optical properties is at least one of the following: lens, an objective comprising several lenses, at least one filter, and a diffractive optical element.
23. Means for changing optical properties according to claim 18, wherein said housing is a housing of said mobile terminal device integrating said camera system.
24. Means for changing optical properties according to claim 18, wherein said housing is a housing of an external camera system attached to said mobile terminal device as an external module.

25. Means for changing optical properties according to claim 18, wherein said mobile terminal device is a mobile phone.
26. Method for changing optical properties of a lens module of a camera system comprising:
 - changing optical properties of said lens module by actuating means for changing the optical properties to cooperate with said lens module and
 - placing said means for changing optical properties in front of said lens module, wherein a mobile terminal device comprises said camera system.
27. Method for changing optical properties according to claim 26, further comprising:
 - detachably connecting said means for changing optical properties to said camera system.
28. Method for changing optical properties according to claim 26, further comprising:
 - detachably connecting said means for changing optical properties to a part of a housing enclosing said camera system.
29. Method for changing optical properties according to claim 26, further comprising:
 - integrating said means for changing optical properties into a part of a housing enclosing said camera system.

30. Method for changing optical properties according to claim 26, further comprising:

- detachably connecting said housing.

31. Method for changing optical properties according to claim 26, further comprising:

- integrating an assembly of a plurality of means for changing optical properties each being adapted to cooperate with said lens module of said camera system and
- changing said assembly upon actuation.

32. Method for changing optical properties according to claim 26, wherein said means for changing optical properties is at least one of the following: lens, an objective comprising several lenses, at least one filter, and a diffractive optical element.

33. Method for changing optical properties according to claim 26, wherein said camera system is built in said mobile terminal device.

34. Method for changing optical properties according to claim 26, wherein said camera system is attached to said mobile terminal device as an external module.

35. Method for changing optical properties according to claim 26, wherein said mobile terminal device is a mobile phone.

36. System for changing optical properties of a lens module of a camera system, comprising:

- a mobile terminal device comprising said camera system and
- means for changing optical properties adapted to cooperate with said lens module,

wherein said mobile terminal device is a mobile terminal device according to claim 1 and said means for changing optical properties are means for changing optical properties according to claim 18.